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SECRET

25X1

COUNTRY Hungary

REPORT

SUBJECT

Berente Power Station

DATE DISTR.

30 APR 1957

25X1

NO. PAGES

1

REQUIREMENT NO.

RD

25X1

REFERENCES

DATE OF INFO.

PLACE & DATE ACQ.

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[redacted] report, with two sketches, on the power station in Berente (48-14 N; 20-40 E) which was under construction in January 1956. The report contains information on the equipment and the layout of the plant.

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INFORMATION REPORT INFORMATION REPORT

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~~SECRET~~H U N G A R YECONOMIC~~SECRET~~Electric power station at BERENTE

1. At BERENTE, in N.E. Hungary, a new electric power station, planned to be one of the largest in Hungary on completion, was still under construction in January 1956. At the rate of observed progress, it should by now be finished.

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2. More precise details will be found at the attached legend accompanying Sketch No. 2, but the main data (apart from its kilowatt-hour production, which is not known) are as follows :

- (a) Boilers : 10 boilers of 100 tons each, each with pre-heat (oil-fired) installation. Boiler dimensions: 10 x 10 x 25 metres. Pre-heat installation dimensions : 10 x 5 x 25 metres.
- (b) Fuel : coal-dust, fed by conveyor-belt.
- (c) Generators : Steam-driven. 4 generators were in use by January 1956, but it is not known how many were planned.
- (d) Chimneys : 3 chimneys, 100 metres high, 8 metres diameter at base, 4 metres diameter at the top. The exhaust-gases from 3 boilers are fed into 1 chimney, along communicating-flues with a diameter of 1.80 metres each.
- (e) Power-Output : Output figures are not known. Power is supplied from this station to the saltpetre works at KAZINCBÁRCIKA, which are also supplied with steam from the boilers along the supply-pipes shown on Sketch II. Electrical power is also supplied to the town of MISKOLC.

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(f) Construction

Boilers : East German manufacture.

Boiler-mountings : Constructed and installed
by East German technicians.

Other steel
structures : Built and installed by the
Hungarian firm "APRILIS 4".

Insulation : Installed by Hungarian
"State Factory No. 30".

Generators : East German manufacture.

(g) Staff : The staff is reported as being
relatively small", as the conveyor-belt,
boilers and generators are fully automatic.

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L e g e n d sSketch 1.

1. Village of BERENTE.
2. Railway-line, normal gauge (steam locomotives), from MISKOLC to BERENTF-KAZINCBARCIKA-BANREVE.
3. Asphalt road, 5 metres wide.
4. Concrete wall, 3 metres high.
5. Machine-room and loading point for conveyor-belt.
6. Covered way for conveyor-belt.
7. Rope-railway for fuel supply tip-buckets.
8. Steam-pipes (5) to KAZINCBARCIKA.
9. Main building.
10. 3 chimneys.
11. Points direction to MISKOLC.
12. " " to KAZINCBARCIKA.
13. High-tension cable(s).

Sketch 2.

1. Wire fence $1\frac{1}{2}$ metres high, carrying notices "Keep off. Guard shoots without warning."
 2. Concrete wall, 3 metres high, constantly patrolled.
 3. Tip-bucket way for fuel supply.
 4. Various huts and one-storey buildings.
 5. Wooden huts for workers.
 6. Entrance []
 7. Guardhouse.
 8. 3 chimneys.
 9. Smoke-channel to chimneys.
 10. Main building 250 metres long, 80 m. wide
Concrete, flat roof. (and 40 m. high.)
 11. Steam-turbine generators. In Jan. 1956
4 were in operation.
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- 4 -

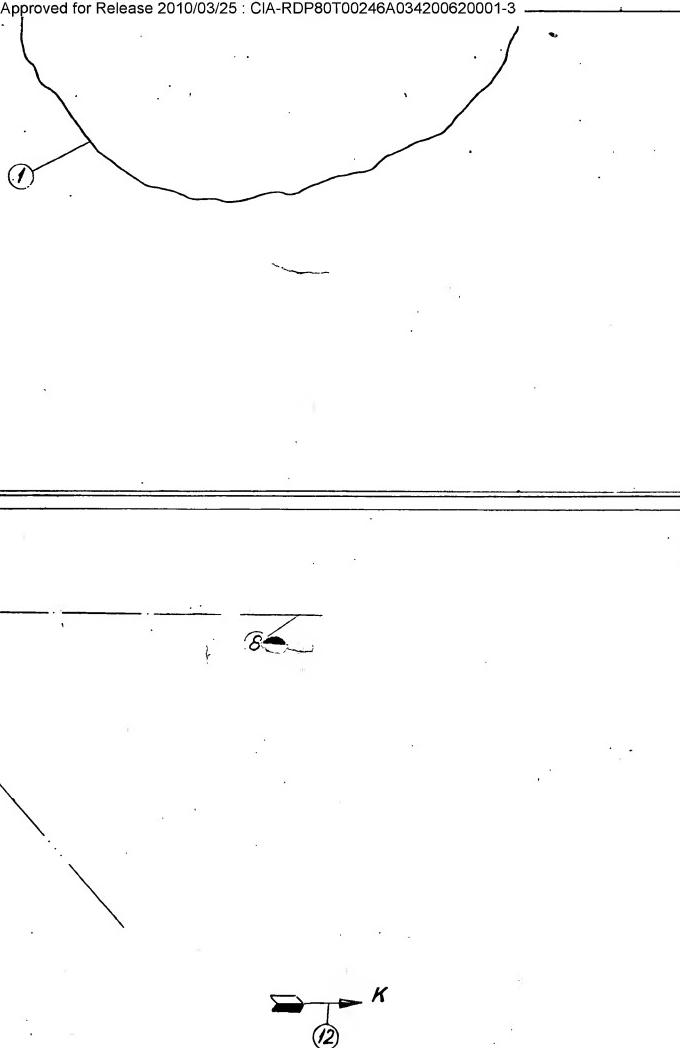
Key to Sketch 2 (Contd.)

12. Boilers.
13. Coal-store.
14. Rubber conveyor-belt.
15. Entrance.
16. Steam-pipes (five) 30 cm diameter,
insulated with thermolite and glass wool,
leading to KAZINCBARCIKA.
17. Guardhouse.
18. Entrance.
19. Conveyor-belt in building.
20. Transformer and switching house.
21. High tension cable to MISKOLC
22. Normal gauge railway.
23. Asphalt road.
24. BERENTE village.
25. Railway halt.
26. Towards KAZINCBARCIKA — BANREVE.
27. Tip-bucket line and loading-house.

Sketch I.

MÉRETARANY: 1:25000

Electric Power Station
BERENTE



Sketch II

